

**Amendments to the Claims:**

The claims stand as follows:

1. (Currently Amended) A method for inhibiting or reducing beta-amyloid protein fibril formation, deposition or accumulation in a beta-amyloid protein disease in a patient, the method comprising administrating to the patient a site containing beta-amyloid protein a therapeutically effective amount of laminin, or a polypeptide having a conformational similarity to a fragment of a laminin protein.
- 2-3. (Cancelled)
4. (Currently Amended) The method of claim 1 wherein the polypeptide laminin or fragment thereof is synthesized, to achieve said conformational similarity.
5. (Currently Amended) The method of claim 1 wherein the beta-amyloid protein disease is fibrils are associated with Alzheimer's disease or Down's syndrome.
- 6-10. (Cancelled)
11. (Currently Amended) The method of claim 1 wherein the laminin fragment includes at least one comprises a globular domain repeat within the laminin A chain or a fragment thereof.
12. (Currently Amended) The method of claim 11 wherein the globular domain repeats include comprises the peptide sequence of SEQ ID NO: 3 or a fragment thereof.
- 13-14. (Cancelled)
15. (Currently Amended) A method for inhibiting or reducing beta-amyloid protein fibril formation, deposition or accumulation in a beta-amyloid protein disease in a patient, the method comprising administrating to the patient a site containing beta-amyloid protein a therapeutically effective amount of a polypeptide selected from the group consisting of human laminin, mouse laminin, SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO 4:, SEQ

ID NO: 5, SEQ ID NO:6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO:10, SEQ ID NO: 11, and fragments thereof.

16. (Cancelled)

17. (Original) The method of claim 1 wherein the therapeutically effective amount is a dosage between 0.01 $\mu$ g and about 100mg/kg body weight.

18. (Original) The method of claim 17 wherein the therapeutically effective amount is a dosage between 10 $\mu$ g and about 50mg/kg body weight.

19. (Currently Amended) A method for inhibiting or reducing beta-amyloid protein fibril formation, deposition or accumulation ~~in an environment~~, the method comprising: administering ~~to the environment~~ a therapeutically effective amount of a polypeptide selected from the group consisting of human laminin, mouse laminin, SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO 4:, SEQ ID NO: 5, SEQ ID NO:6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO:10, SEQ ID NO: 11, and fragments thereof into any site containing beta-amyloid protein.

20. (Previously Added) The method of claim 15, wherein the polypeptide selected is taken from the 4<sup>th</sup> globular domain repeat of human A chain laminin.

21. (Previously Added) The method of claim 19, wherein the polypeptide selected is taken from the 4<sup>th</sup> globular domain repeat of human A chain laminin.

22. (New) The method of claim 15 wherein the beta-amyloid protein disease is Alzheimer's disease or Down's syndrome.

23. (New) The method of claim 15 wherein the therapeutically effective amount is a dosage between 0.01 $\mu$ g and about 100mg/kg body weight.

24. (New) The method of claim 23 wherein the therapeutically effective amount is a dosage between 10 $\mu$ g and about 50mg/kg body weight.

25. (New) The method of claim 19 wherein the therapeutically effective amount is a dosage between 0.01 $\mu$ g and about 100mg/kg body weight.
26. (New) The method of claim 25 wherein the therapeutically effective amount is a dosage between 10 $\mu$ g and about 50mg/kg body weight.
27. (New) The method of claim 19 wherein the site containing the beta-amyloid protein is an *in vitro* site.